

| •                         |                  |            | DATE   |  |  |  |  |  |  |
|---------------------------|------------------|------------|--------|--|--|--|--|--|--|
| FEE DETERMINATION         | <del></del>      | WW/W/      | 4/12/- |  |  |  |  |  |  |
| O.I.P.E. CLASSIFIER       |                  | 1/         | 1/2/19 |  |  |  |  |  |  |
| FORMALITY REVIEW          | (N)              | 21(008)    | 10/1/0 |  |  |  |  |  |  |
| RESPONSE FORMALITY REVIEW | <del>- Y42</del> | 1-1-14-1-0 | -V/14  |  |  |  |  |  |  |

## INDEX OF CLAIMS

| ✓Rejected                                      | N Non-elec   | cted |
|--|--------------|------|
| = Allowed                                      | IInterfere   | ence |
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| Cla           | Claim Date |          |    |          |    |          |          |          | Claim Date |           |         |          |          |                   |          |          |    |           |              | Cla | aim       |           |           | <b></b> | Da | ate           |            |              |          |          |              |    |          |          |           |              |
|---------------|------------|----------|----|----------|----|----------|----------|----------|------------|-----------|---------|----------|----------|-------------------|----------|----------|----|-----------|--------------|-----|-----------|-----------|-----------|---------|----|---------------|------------|--------------|----------|----------|--------------|----|----------|----------|-----------|--------------|
| Final         | Original   | 12/23/2  | 7  | 212/80   |    |          |          |          |            |           |         |          |          | Final<br>Griginal | 2        |          |    |           |              |     |           |           |           |         |    | Final         | Original   |              |          |          |              |    |          |          |           |              |
| $\vdash$      | 2          | 1./      | +  | 1        | ╀  | +        | +        | +        | +          | +         | +       | $\dashv$ | -        | 5                 |          | +        | +  | +-        | $\perp$      | +   | -         | $\perp$   | +         | 4       | -  | _             | 101        | $\perp$      | 1        | _        | <u> </u>     | _  | ╄        |          | $\perp$   | <u> </u>     |
| $\vdash$      | (3         | Ť        | -  | H        | ╁  | ÷        | +-       | +        | +          | +         | +       | -        | -        | 5                 |          | +        | +  | +         | +-           | +   | +-        | +         | +         |         | 4  |               | 102        | -            | 1        | -        | ╄            | -  | $\perp$  | $\perp$  | 4         | $\downarrow$ |
|               | 4          |          | -  | +        | ╁  | +        | +        | +        | +          | +         | -+      | +        | -        | 5                 |          | -        | +  | +         | +            | +-  | +         | +         | +         | _       | -  |               | 103        | 1            | -        | ╄        | 1            | 1  | $\perp$  | 1        | $\perp$   | 1            |
| $\vdash$      | 5          |          | #- | H        | +  | +        | +        | +        | +          | +         | +       | -        | -        | 5                 | _        | +        | +  | +-        | +            | +-  | +-        | +         | +         | +       | -  |               | 104<br>105 | +            | +        | ╀        | +            | +  | +        | +-       | $\perp$   | +            |
| -             | 6          | 4        | U  | J        | 1  | ╁        | +        | +        | +          | +         | +       | ╣        | +        | 5                 |          | +        | +- | +         | +            | ┿   | +         | +         | +         | +       | ł  |               | 106        | +            | +-       | $\vdash$ | +-           | -  | +        | ╁        | +         | +            |
| +             | 7          | 1        | _  | Ť        | t  | t        | +        | +        | $^{+}$     | $\forall$ |         | -        | -        | 5                 |          | +        | +  | +         | +            | +-  | +         | +         | +-        | +       | 1  |               | 107        | +            | +        | ╁        | ╀            | +  | ╀        | +-       | +         | +            |
|               | 8          |          |    | 1        | T  | †        | +        | Ť        | +          | $\top$    | +       | 1        | h        | 5                 |          | t        | +  | $\dagger$ | †            | +   | $^{+}$    | +-        | +         | +       |    |               | 108        | +            | ╁        | H        | +-           | +  | +-       | +        | +         | +-           |
|               | 9          |          |    | -        | T  | T        | +        | Ť        | 1          | _         | $\top$  |          | -        | 5                 | -        | T        | t  | t         | +-           | t   | $^{+}$    | +         | t         | +-      | 1  | _             | 109        | ╁            | +-       | +        | +            | ╁  | +        | +        | +         | +            |
| П             | 10         |          |    | Г        | T  | T        | 1        | 1        | T          | T         | +       | 1        |          | 6                 |          | t        | t  | ✝         | $^{\dagger}$ | +   | -         | $\dagger$ | $\dagger$ | +       | 1  | _             | 110        | +-           | t        | +        | +            | +- | ╁        | ╁╴       | +-        | ╁            |
|               | 11         |          |    |          | Π  | T        | T        | T        | 1          | 1         | $\top$  | ٦        |          | 6                 |          | T        | 1  | T         | T            | T   | $\top$    | 1         | +         | +       | 1  |               | 111        | +            | +-       | 1        | $\dagger$    | +  | t        | +        | +         | +            |
|               | 12         |          |    |          | Γ  | T        | T        |          | T          | T         |         | ٦        |          | 62                | 2        | 1        | T  | Ť         | 1            |     | T         | 1         | T         | -       | 1  | _             | 112        | +            | †-       | H        | +            | t  | $\vdash$ | +        | +         | +            |
|               | 13         |          |    |          |    | T        |          | T        |            | ı         |         | 7        |          | 6                 | 3        | T        | T  | 1         | T            | T   | T         | T         | T         | $\top$  | 1  | _             | 113        | +-           | t        | 1        | $^{\dagger}$ | t  | t        | +        | +         | +            |
|               | 14         |          |    |          |    |          |          | T        | T          | T         |         |          |          | 64                | Ī        |          | T  | T         | T            | T   | t         |           | T         |         | 1  | $\vdash$      | 114        | 1            |          | $t^-$    | t            | †  | +        | t        | 十         | $^{+}$       |
|               | 15         |          |    |          |    |          |          |          |            |           |         |          |          | 65                | ;        |          | T  |           |              | Т   | T         | 1         | Ť         |         | 1  |               | 115        |              | +        |          | r            | 1  | t        | +        | $\dagger$ | $\dagger$    |
|               | 16         |          |    |          |    |          |          |          |            |           | T       |          |          | 66                |          |          |    | Π         | Τ            | T   | T         | T         |           |         | 1  |               | 116        | T            | 1        |          | T            | T  | T        | $\top$   | $\top$    | T            |
|               | 17         |          | _  |          | _  |          |          |          |            | $\perp$   |         |          |          | 67                |          |          |    |           |              |     |           |           |           |         |    |               | 117        |              | T        | Г        | 1-           |    | m        | T        | T         | +            |
|               | 18         |          |    |          | L  |          |          |          |            |           |         |          | L        | 68                |          |          | L  |           |              | Γ   |           |           | T         |         |    |               | 118        | 1            |          |          | T            |    |          |          | 1         | T            |
| $\rightarrow$ | 19         |          |    | _        | L  |          |          | $\perp$  |            |           |         |          | L        | 69                |          |          |    |           |              | Ι   |           | Π         |           |         |    | П             | 119        | Т            | Γ        |          |              |    |          |          | T         | T            |
|               | 20         |          |    |          |    |          |          |          |            |           |         | 1        |          | 70                |          |          | Π  |           | Г            | Ţ   |           | Π         |           |         |    |               | 120        | T            |          |          |              |    |          |          | T         | T            |
|               | 21         |          |    |          |    | Γ        |          |          |            | Т         |         |          | Γ        | 71                |          |          | Τ  |           |              | Т   | T         | 1         | Ī         | П       |    | П             | 121        | $^{\dagger}$ | $\vdash$ | 1        |              | -  | T        | $\vdash$ | t         | +            |
|               | 22         |          |    |          |    |          | I        | Τ        | $\perp$    |           |         | 1        |          | 72                |          |          | Г  |           |              |     |           | İ         | Γ         |         |    |               | 122        | T            | t        |          |              | T  | l        | $\vdash$ | $\vdash$  | t            |
|               | 23         |          |    |          |    |          |          |          |            | 1         |         |          |          | 73                |          |          | Γ  | Π         |              | T   |           |           | Г         | П       |    |               | 123        |              |          | _        | T            | Г  |          | T-       | t         | t            |
| $\rightarrow$ | 24         |          |    |          |    | L        | L        |          |            |           |         |          |          | 74                |          |          |    |           |              |     |           |           | T         | П       |    |               | 124        | 1            |          |          | Τ            | Г  | Г        |          | T         | T            |
|               | 25         |          |    |          |    | L        | L        | ┸        |            |           | $\perp$ |          |          | 75                | 1        |          |    | L.        |              |     |           |           |           |         |    | П             | 125        | Т            | Г        |          |              |    | Γ        |          | Г         | T            |
|               | 26         | _        |    |          |    | L        | L        | L        | L          |           |         |          | L        | 76                | L        |          |    |           |              |     |           |           |           | $\Box$  |    | П             | 26         |              |          |          |              |    | Г        | Г        | T         | T            |
|               | 27         | _        | _  |          |    |          | L        | L        | $\perp$    | $\perp$   |         |          | L        | 77                | L        |          | L. |           |              |     |           |           |           |         |    |               | 127        |              |          |          |              | ,  |          | Г        | Г         | T            |
|               | 28         |          |    |          |    | L        |          | L        | $\perp$    | $\perp$   | L       |          | L        | 78                |          | L        |    |           |              |     |           |           |           |         |    |               | 128        |              |          |          |              |    |          | Г        | Γ         | T            |
|               | 29         | _        | _  |          | L. |          | Ļ.,      | $\perp$  | ļ          | $\perp$   | $\perp$ |          | L        | 79                | _        |          |    | L.        | _            |     | L         |           |           |         |    |               | 29         | I            |          |          |              |    |          |          |           | Γ            |
| -             | 30         | _        | _  |          |    | L        | 1        |          | _          | 1         | $\perp$ |          |          | 80                |          |          |    |           |              | L   | L         |           |           |         |    |               | 30         | L            |          |          |              |    |          |          |           | Γ            |
|               | 31         | _        | 4  |          |    |          |          | L        | 1          | 1         | _       | 1        | L        | 81                |          | L        | _  |           | L            | _   |           |           | L         |         |    |               | 31         | L            |          |          |              |    |          |          |           |              |
|               | 32         |          |    |          |    |          | L        | 1        | _          | $\perp$   | 4       |          | L        | 82                |          | _        | _  |           |              | L   |           |           | _         | Ш       |    |               | 32         | _            | L        |          |              |    |          |          |           |              |
|               | 33         | - 1      | _  | _        |    |          | L        | +        | $\perp$    | +         |         | 1        | _        | 83                | L        | _        | L  |           |              |     |           | _         | _         | Ш       |    |               | 33         | _            |          |          |              |    |          |          | L         | L            |
|               | 34<br>35   | -        | 4  | _        |    | -        | -        | ╄        | ╀          | +         | +-      | -        |          | 84                | ļ        |          |    | <u> </u>  | _            | _   | ļ         |           | L         | Ш       |    |               | 34         | _            | L        |          |              |    |          |          | L         | L            |
|               | 36         | -        | 4  | 4        |    | _        | ├        | 4        | $\perp$    | 4         | +       | -        |          | 85                | L        | L        | -  | <u> </u>  | <u> </u>     | L   | L.        |           | _         | Ш       |    |               | 35         | _            |          |          | L            |    |          |          |           | L            |
|               | 37         | $\dashv$ | +  | _        |    | _        | -        | +        | $\perp$    | +-        | +       | -        | $\vdash$ | 86                | -        | _        | L  | <u> </u>  |              |     | <u> </u>  | _         |           | Ш       |    |               | 36         | 1            |          |          |              |    | _        | Ш        | L         | L            |
|               | 38         | $\dashv$ | -  | -        | -  | _        | -        | ╀        | +          | +         |         | -        | ļ        | 87                |          | -        |    | <u> </u>  | <u> </u>     |     | <u> </u>  |           |           | Н       |    | $\vdash$      | 37         | ļ            |          | _        |              |    |          | Ш        |           | Ļ            |
| _             | 39         | +        | -  | $\dashv$ |    | -        | -        | ┝        | ╀          | +         | +       | ┨        | $\vdash$ | 88                | -        | L        | _  | _         | _            | _   |           |           | L         | Н       |    |               | 38         | 1            | _        | _        | _            |    |          | Ш        | Ш         | L            |
| <del></del>   | 10         | -+       | +  | -        |    | -        | ⊢        | ╀        | ╀          | +         | +       | -        | -        | 90                | H        | _        | _  |           | -            | -   | L         |           | ļ         |         |    | -             | 39         | ├-           | _        |          |              |    |          | ш        | Ш         | L            |
|               | 41         | $\dashv$ | +  | $\dashv$ |    | <u> </u> | _        | $\vdash$ | +          | +         | $\perp$ | -        | $\vdash$ | +                 |          |          |    |           | _            |     | L.,       |           |           | Ш       |    | _             | 40         | <u> </u>     |          | _        |              | _  |          | Ш        |           | L            |
|               |            | $\dashv$ | -  | _        |    | _        | _        | _        | ╄          | 4         | $\bot$  | 1        | $\perp$  | 91                |          |          |    |           |              |     |           |           |           | Ц       |    |               | 41         | <u> </u>     |          |          |              |    |          | Ш        | Ш         | L            |
|               | 13         | +        | +  | -        | -  | _        | -        | $\vdash$ | +-         | +         | +       | 1        | -        | 92                | ļ.,      | 4        |    | _         |              |     | Ш         |           |           | Ш       |    |               | 42         | <u> </u>     | Ц        |          |              | _  |          | Ш        | Ц         | L            |
|               | _          | +        | 4  | 4        | _  |          | L        | -        | ╀          | +         | $\perp$ | ł        | -        | 93                | -        |          |    |           |              |     |           |           |           | Ц       |    | _             | 43         | <u> </u>     |          |          |              |    |          |          | Ш         | L            |
|               | 14         | +        | +  | +        | -  |          | -        | +        | $\perp$    | +         | +       | 1        | -        | 94                | Ш        |          | _  |           |              |     | Ш         |           |           | Ш       |    |               | 44         | $\vdash$     | Ц        |          | _            |    |          |          | Ш         | _            |
| ·             | 16         | +        | +  | $\dashv$ | 4  |          | -        | $\vdash$ | $\vdash$   | +         | $\perp$ | -        | -        | 95                | Щ        | _        | _  |           | $\perp$      | _   | _         |           |           | Ц       |    | $\rightarrow$ | 45         | <u> </u>     |          | _        |              | _  | Ц        |          | Ш         | _            |
|               | 7          | +        | 4  | -        | _  |          | -        | $\vdash$ | +          | +         | +       | -        | $\vdash$ | 96                | Н        | -        | _  | $\dashv$  |              |     |           |           | _         | Н       |    |               | 46         | <u> </u>     |          | _        | _            |    |          | $\Box$   | Ш         | L            |
|               | 8          | +        | -  | -        |    |          | _        | -        | ╀          | +         | +       | 1        | -        | 97                |          | _        | _  | _         |              |     |           |           | _         | Ш       |    | $\rightarrow$ | 47         | Li           |          | _        |              |    |          |          | Ш         | L            |
|               | 9          | +        | +  | +        | -  |          |          | -        | +          | +         | 1       |          | $\vdash$ | 98<br>99          | $\vdash$ | $\dashv$ | -  |           |              |     | $\square$ | _         |           | Щ       | ļ  |               | 48         |              |          | _        | _            | _  | _        | _        | Ш         | <u> </u>     |
|               | 0          | +        | +  |          | -  | _        | <u> </u> | -        | $\vdash$   | +         | +       |          | -        | 100               | $\vdash$ | $\dashv$ | -  | $\dashv$  | -            |     | _         | 4         | -         | $\Box$  |    |               | 49         | -            |          | 4        | _            | _  | _        |          | _         | <u> </u>     |
|               |            |          |    |          |    |          |          |          |            |           |         |          |          |                   |          |          |    |           |              |     |           |           |           |         |    |               |            |              |          |          |              |    |          |          |           |              |

If more than 150 claims or 10 actions staple additional sheet here

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